PERMIT NO. HI 0020753

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq.; the "Act") and Chapter 342D, Hawaii Revised Statutes, and Chapters 11-54 and 11-55, Administrative Rules, Department of Health, State of Hawaii,

PACIFIC SHIPYARDS INTERNATIONAL

(hereinafter PERMITTEE)

is authorized to discharge harbor water flowing off their drydocks during lowering and lifting cycles, harbor water pumped out of ballast tanks, noncontact cooling water, and storm water runoff from its Pacific Shipyards International facility, located at Pier 41, Honolulu, Hawaii 96820,

to the receiving water named Honolulu Harbor through the following Outfalls and coordinates:

Outfall Serial No.	Description	Latitude	Longitude
001	Kapilipono Drydock	21°19'13"N	157°53'09"W
003	Storm Drain	21°19'10"N	157°53'10"W
004	Storm Drain	21°19'10"N	157°53'10"W
005	Storm Drain	21°19'10"N	157°53'10"W
006	Storm Drain	21˚19'00"N	157˚52'01"W
007	Storm Drain	21˚19'00"N	157˚52'01"W
008	Kekaulana Drydock	21˚19'01"N	157˚53'01"W

in accordance with the effluent limitations, monitoring requirements and other conditions set forth herein, and in the attached Department of Health (Department) "Standard NPDES Permit Conditions," dated December 31, 2002.

All references to Title 40 of the Code of Federal Regulations (CFR) are to regulations that are in effect on July 1, 2001, except as otherwise specified. Unless otherwise specified herein, all terms are defined as provided in the applicable regulations in Title 40 of the CFR.

This permit will become effective on _____.

PUBLIC NOTICE PERMIT
August 4, 2004

This permit and the authorization to discharge will expire at midnight, **March 31, 2009**.

Signed this _____ day of _____, 2004.

_____
(For) Director of Health

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A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date of this permit and lasting through **March 31, 2009**, the Permittee is authorized to discharge harbor water flowing off the drydock, harbor water pumped out of ballast tanks, noncontact cooling water, and storm water runoff from the facility through Outfall Serial Nos. 001, 003, 004, 005, 006, 007 and 008 as specified below:

1. Harbor Water Flowing Off Drydock

   a. Water Quality Monitoring

      (1) The discharge of harbor water flowing off the drydock during each lowering and lifting cycle through Outfall Serial Nos. 001 (Kapilipono Drydock) and 008 (Kekaulana Drydock) shall be limited and monitored by the Permittee as specified below:

Parameter	Discharge Limitations		Minimum Monitoring Requirements		Sample Type
	Daily Maximum	Units	Compliance Station	Ambient Station	
Flow [a/]	Report	Gallons/Cycle	Once/Cycle	N/A [b/]	Estimate/ Calculate
Total Suspended Solids	40.0	mg/l	Once/Cycle [c/]	N/A [b/]	Composite [d/]
Settleable Solids	Report	ml/l	Once/Cycle [c/]	N/A [b/]	Composite [d/]
Tributylin [e/]	Report	µg/l	Once/Cycle [c/,f/]	Once/Cycle [c/,f/]	Composite [d/]
Arsenic [e/]	Report	µg/l	Once/Cycle [c/]	Once/Cycle [c/]	Composite [d/]
Cadmium [e/]	Report	µg/l	Once/Cycle [c/]	Once/Cycle [c/]	Composite [d/]
Chromium [e/]	Report	µg/l	Once/Cycle [c/]	Once/Cycle [c/]	Composite [d/]
Copper [e/]	Report	µg/l	Once/Cycle [c/]	Once/Cycle [c/]	Composite [d/]
Lead [e/]	Report	µg/l	Once/Cycle [c/]	Once/Cycle [c/]	Composite [d/]
Mercury [e/]	Report	µg/l	Once/Cycle [c/]	Once/Cycle [c/]	Composite [d/]
Zinc [e/]	Report	µg/l	Once/Cycle [c/]	Once/Cycle [c/]	Composite [d/]
Oil and Grease	15	mg/l	Once/Cycle [c/]	N/A [b/]	Grab [g/]

	Discharge Limitations	Minimum Monitoring Requirements		
Parameter				Sample Type
pH	7.0 - 8.6	Once/Cycle [c/]	N/A [b/]	Grab [g/]

[a/] Report flow for lifting activity only.
[b/] N/A - Not Applicable.
[c/] The Permittee shall sample each drydock lowering activity except during drydock evolutions such as equipment testing or Dock Master training when no work has been accomplished on the drydock. The Permittee shall report the equipment testing or Dock Master training activity in the monthly Discharge Monitoring Report.
[d/] Composite sample means a combination of at least three individual samples collected at the approved stations.
[e/] The Permittee shall analyze for the total recoverable portion.
[f/] The Permittee shall analyze for tributyltin (TBT) only when repair work was done on a vessel that has TBT paint coating or when TBT paint was applied to the vessel in drydock.
[g/] Grab sample means an individual sample collected at a randomly-selected time over a period not exceeding 15 minutes.

(2) The Permittee shall monitor the effluent and the receiving water quality at the following locations:

(a) Compliance Stations: The Permittee shall take samples in compliance with the effluent monitoring requirements at locations within the boundary of the drydock platform immediately after the platform submerges into the harbor water. The locations of the compliance stations shall be specified in the Effluent Monitoring Program (EMP) which will be submitted to the Director of Health (Director) for approval within 30 calendar days after the effective date of this permit. At a minimum, three (3) compliance stations shall be selected for both Outfall Serial Nos. 001 and 008.

(b) Ambient Station: The ambient station shall be at a location in the receiving water where the water quality represents the receiving water quality immediately prior to sampling the compliance stations. The location of the ambient station shall be specified in the EMP which will be submitted to the Director for approval within 30 calendar days after the effective date of this permit.

b. Visual Monitoring

(1) The Permittee shall take a minimum of 10 photographs of the drydock surface immediately prior to each drydock lowering, even when no work had been done on the drydock deck since the previous drydock lifting activity.

(2) The photographs shall show the conditions of the drydock surface including the corners and hard-to-reach areas.

(3) The Permittee shall mark each photograph with the date and time the photograph was taken and submit the photographs with monthly Discharge Monitoring Reports (DMRs).

2. Noncontact Cooling Water

a. The discharge of noncontact cooling water from the Kapilipono and Kekaulana Drydocks and all docked vessels through Outfall Serial Nos. 001 and 008 shall be limited and monitored by the Permittee as specified below:

Parameter	Discharge Limitation	Unit	Minimum Measurement Frequency	Sample Type
Flow	Report	Gallons	Continuous	Calculated or Estimated
Temperature	30	°C	Monthly	Grab [a/]
Total Residual Oxidants [b/]	13.0	µg/L	Monthly	Grab [a/]
Total Suspended Solids	5 [c/]	mg/L	Monthly	Grab [a/, d/]
Oil and Grease	15	mg/L	Monthly	Grab [a/]
pH Range	Shall not deviate more than 0.5 units from a value of 8.1 standard units		Monthly	Grab [a/]

[a/] Grab sample means an individual sample collected within the first 15 minutes of discharge.
[b/] Total residual oxidants is obtained using the amperometric titration method for total residual chlorine described in 40 CFR Part 136.
[c/] The total suspended solids limits are net increase restrictions of the effluent above that of the influent.
[d/] Both the influent and effluent shall be monitored concurrently.

b. The Permittee shall take samples at the following locations:

(1) Influent - downstream from any additions to the source water and prior to the cooling system.

(2) Effluent - downstream from the cooling system and prior to mixing with the receiving state waters.

c. The Permittee shall collect the date, duration (in hours), starting and ending times, and volume of each discharge and submit with monthly DMRs.

3. Storm Water Runoff

a. The discharge of storm water runoff from the facility through Outfall Serial Nos. 001, 003, 004, 005, 006, 007 and 008 shall be limited and monitored by the Permittee as specified below:

Parameter	Discharge Limitation	Unit	Minimum Measurement Frequency	Sample Type
Flow	Report	Gallons/Minute	Annually	Calculated or Estimated
Biochemical Oxygen Demand (5-day)	Report	mg/L	Annually	Grab/Composite [a/]
Chemical Oxygen Demand	Report	mg/L	Annually	Grab/Composite [a/]
Total Suspended Solids	Report	mg/L	Annually	Grab/Composite [a/]
Total Phosphorus	Report	mg/L	Annually	Grab/Composite [a/]
Total Nitrogen	Report	mg/L	Annually	Grab/Composite [a/]
Nitrate+Nitrite Nitrogen	Report	mg/L	Annually	Grab/Composite [a/]
Oil and Grease	15	mg/L	Annually	Grab [b/]
pH Range	7.0 - 8.6	Standard Units	Annually	Grab [b/]
Tributylin [c/]	Report	µg/L	Annually [d/]	Grab/Composite [a/]
Arsenic [c/]	Report	µg/L	Annually	Grab/Composite [a/]
Cadmium [c/]	Report	µg/L	Annually	Grab/Composite [a/]
Chromium [c/]	Report	µg/L	Annually	Grab/Composite [a/]
Copper [c/]	Report	µg/L	Annually	Grab/Composite [a/]
Lead [c/]	Report	µg/L	Annually	Grab/Composite [a/]
Mercury [c/]	Report	µg/L	Annually	Grab/Composite [a/]
Zinc [c/]	Report	µg/L	Annually	Grab/Composite [a/]

[a/] The Permittee shall collect samples from a discharge resulting from a representative storm. A representative storm means a rainfall that accumulates more than 0.1 inch of rain and occurs at least 72 hours after the previous measurable (greater than 0.1 inch) rainfall.

Samples for analysis shall be collected during the first 15 minutes of the discharge and at 15-minute intervals thereafter for the duration of the discharge. If the discharge lasts for over an hour, sample collection may cease.

The sample collected during the first 15 minutes shall be analyzed as grab sample. If two or more samples are collected, they shall be analyzed as a composite sample.

"Composite sample" means a combination of at least two sample aliquots, collected at periodic intervals. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the flow at the time of sampling or total flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically.

[b/] Grab sample means an individual sample collected within the first 15 minutes of discharge.
[c/] The Permittee shall analyze for the total recoverable portion.
[d/] The Permittee shall analyze for tributyltin (TBT) only when repair work was done on a vessel that has TBT paint coating or when TBT paint was applied to the vessel in drydock.

b. The Permittee shall report pollutant levels exceeding discharge limitations to the Department within 30 days after the Permittee becomes aware of the results. The Permittee shall provide the Department with an explanation of the pollutant origin.

c. At a minimum, the Permittee shall collect storm water samples at Outfall Serial Nos. 001, 005, 006, 007, 008 and either at Outfall Serial Nos. 003 or 004, prior to mixing with the receiving water.

d. The Permittee shall record and report the following sampling and analysis information together with the storm water monitoring reports:

(1) Date, duration (in hours), starting and ending times, and magnitude (in inches) of the storm event during which samples are collected.

(2) Duration between the storm events sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event.

(3) Date, storm water outfall serial number, and time of sampling.

(4) Date analyses were performed, and the laboratory who performed the analyses.

(5) Results of such analyses.

4. Test Methods

The Permittee shall use test methods promulgated in 40 CFR Part 136 effective on July 1, 2001, and, when applicable, the chemical methodology for sea water analyses (see Hawaii Administrative Rules, Chapter 11-54-10). The detection limits of the test methods used shall be equal to or lower than the permit limitation. For situations where the applicable water quality standard is below the detection limits of the available test methods, the test method which has the detection limit closest to the applicable water quality standards shall be used. If a test method has not been promulgated for a particular constituent, the Permittee may use any suitable alternative method for measuring the level of the constituent in the discharge provided the Permittee submit a description of the method or a reference to a published method for approval by the director in accordance with 40 CFR Part 136.4.

B. BEST MANAGEMENT PRACTICES

1. Prohibited Discharges

   The Permittee shall not discharge the following into receiving waters:

   a. Hydroblasting water.

   b. Drydock deck rinse water.

   c. Solids removed from the vessel, or any debris generated by the shipyard work crew into the receiving water.

   d. Sanitary waste from docked vessels into the receiving water.

   e. Waste from the physical cleaning of the cooling system.

   f. Compounds used in closed-loop systems.

2. Pollution Prevention Measures

   a. The Permittee shall sweep and/or vacuum the drydock deck daily when work was performed on the drydock.

   b. The Permittee shall immediately clean up any spills, including, but not limited to, oil and hydraulic fluid.

   c. The Permittee shall discharge cooling water from the docked vessel directly to the receiving water in a manner that prevents the cooling water discharge from contacting the drydock, docked vessel, or any other pollutant.

   d. The Permittee shall rinse the drydock deck and collect all rinse water prior to drydock lowering except when no work has been done on the drydock deck after its previous lowering. The Permittee shall properly dispose of the rinse water and shall not discharge the rinse water into receiving waters.

   e. The Permittee shall properly store and dispose all wastes.

   f. The Permittee shall not discharge any wastewater or other pollutant into drydock ballast tanks.

3. Inspection

    a. The Permittee shall inspect the facility, including the storm water drainage system, for potential pollutant sources on a monthly basis.

    b. The Permittee shall clean the storm drains if there is any visible sediment or debris accumulated in the storm drains.

    c. The Permittee shall report the inspection results, including findings and actions taken, with the monthly DMRs.

4. Record Keeping

    a. The Permittee shall maintain monthly logs of all drydock lowering and lifting activities conducted during each calendar month and submit the logs with the monthly DMRs. The Permitee shall indicate on the log the date and time of the docking/undocking activity, names of the vessels docked/undocked, type of sampling performed, and if no work was performed between drydock lowering and lifting activities.

    b. The Permittee shall maintain records of all inspections including the date of inspection, findings, and any actions taken.

5. Best Management Practices (BMPs) Plan

    a. The Permittee shall develop and implement a BMPs Plan to reduce pollutants discharged from the facility. At a minimum, the BMPs Plan should include the measures outlined above. The BMPs Plan shall be submitted within 60 days from the effective date of this permit.

    b. The Permittee shall review and update the BMPs Plan as needed to comply with this permit or as required by the Director. The Permittee shall report any changes to the plan to the Director within 60 days from the date the changes were made. The Permittee shall maintain documentation of all changes made to the Plan. The Permittee shall retain the BMPs Plan and all accompanying records, reports, and changes for a period of at least three (3) years after the expiration of this permit.

    c. The Permittee shall train all employees to implement the BMPs Plan.

    d. The Permittee shall maintain the BMPs Plan onsite or at a nearby office.

C. REPORTING REQUIREMENTS

1. Monitoring Results

   a. The Permittee shall report and summarize all monitoring results obtained during the previous reporting period on a DMR Form (EPA No. 3320-1).

   b. The Permittee shall submit results of all monitoring required by this permit in such a format to allow direct comparison with the limitations and requirements of this permit.

   c. Monitoring reports shall be postmarked no later than the 28th day of the month following the completed reporting period.

   d. For storm water monitoring results, the Permittee shall submit monitoring results to the Department within 60 days after the availability of the results or the 28th day of the month following the completed reporting period, whichever is earlier.

   e. Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator and the Director at the following addresses:

      (1) Regional Administrator
      U.S. Environmental Protection Agency Region 9,
      Water Division
      CWA Compliance Office (WTR-7)
      75 Hawthorne Street
      San Francisco, CA 94105

      (2) Director of Health
      Department of Health
      Environmental Management Division
      Clean Water Branch
      919 Ala Moana Boulevard, Room 301
      Honolulu, Hawaii 96814-4920

2. Other Information

   The Permittee shall submit the following information along with monthly DMRs:

   a. Equipment testing and Dock Master training activities as specified in Part A.1.a(1) of this permit.

   b. Photographs of drydock surface immediately prior to lowering the drydock as specified in Part A.1.b of this permit.

   c. Cooling water discharge information as specified in Part A.2.c of this permit.

   d. Storm event and storm water discharge information as specified in Part A.3.d of this permit.

   e. Facility inspection results, actions taken, and cleaning activities as specified in Part B.3 of this permit.

3. Noncompliance

   The Permittee shall orally report any noncompliance which may endanger health or the environment (see Standard NPDES Permit Condition Section 16.f). Oral report shall be made by telephone to the Clean Water Branch at 586-4309 during regular office hours or the Hawaii State Hospital Operator at 247-2191 outside of regular office hours.

D. OTHER REQUIREMENTS

1. Schedule of Submission

   a. The Permittee shall submit an EMP to comply with Part A of this permit to the Director for approval within 30 days from the effective date of this permit. The Program shall include at a minimum, but not be limited to, the following:

      (1) Sampling station location map.

      (2) Sample holding times.

      (3) Preservation techniques.

      (4) Test methods and method detection limits.

      (5) Quality assurance and quality control measures.

   b. The Permittee shall submit a revised BMPs Plan to comply with Part B of this permit to the Director within 60 days from the effective date of this permit.

   c. The Permittee shall submit an annual summary of the quantities of all chemicals (including the material safety data sheet), listed by both chemical and trade names, which are used in once through cooling water treatment and which are discharged to the Director by January 28 of each year.

   The Department reserves the right to require the Permittee to revise the approved programs, as appropriate, pursuant toward compliance with the terms and conditions of this permit.

2. Schedule of Maintenance

   The Permittee shall submit a schedule for approval by the Director at least 14 days prior to any maintenance of facilities which the Permittee determines may result in effluent limitations being exceeded. The schedule shall contain a description of the maintenance and its purpose; the period of maintenance, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent occurrence of non-compliance.

E. LOCATION MAPS
(See Figures 1 & 2)

Figure 1

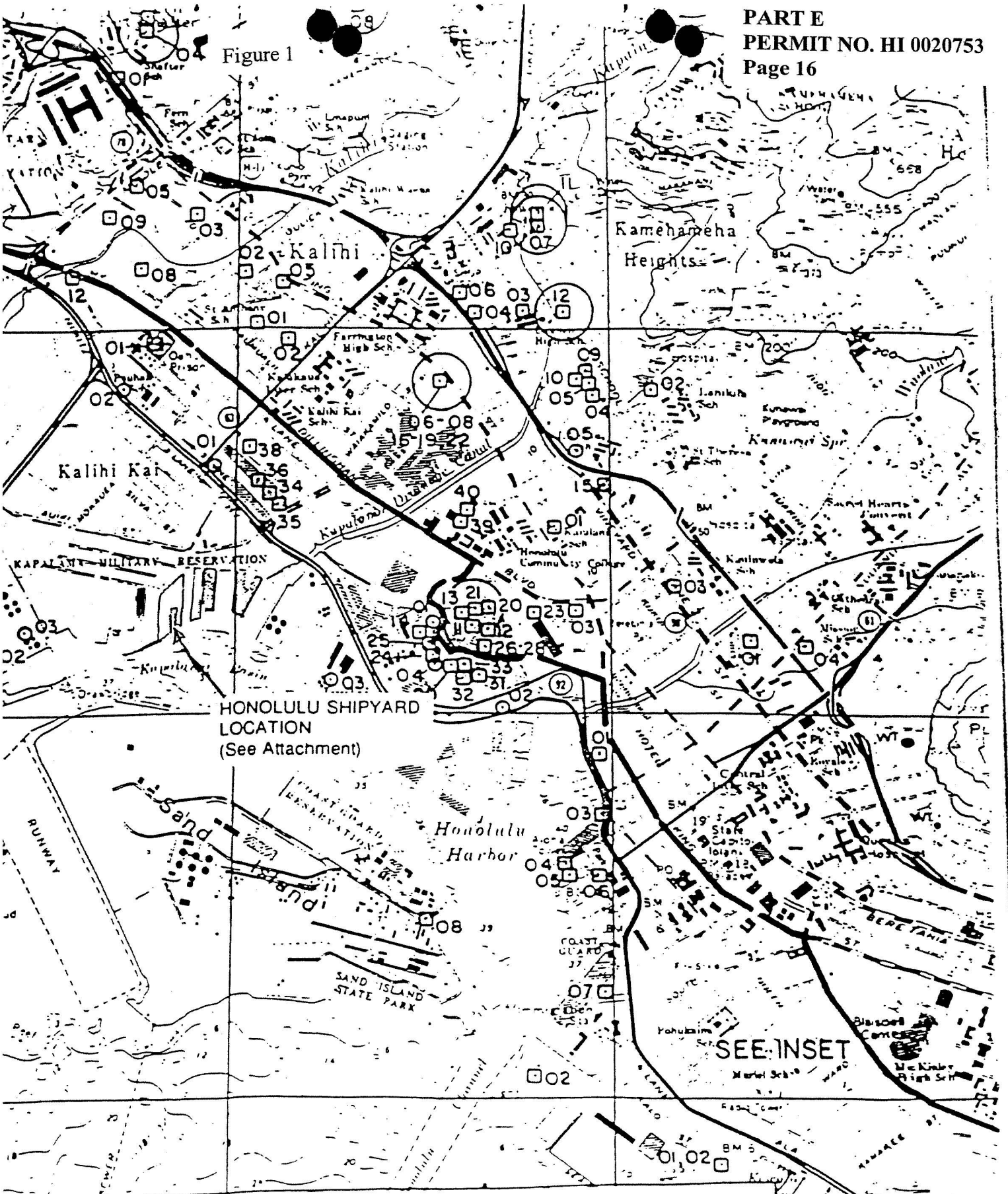
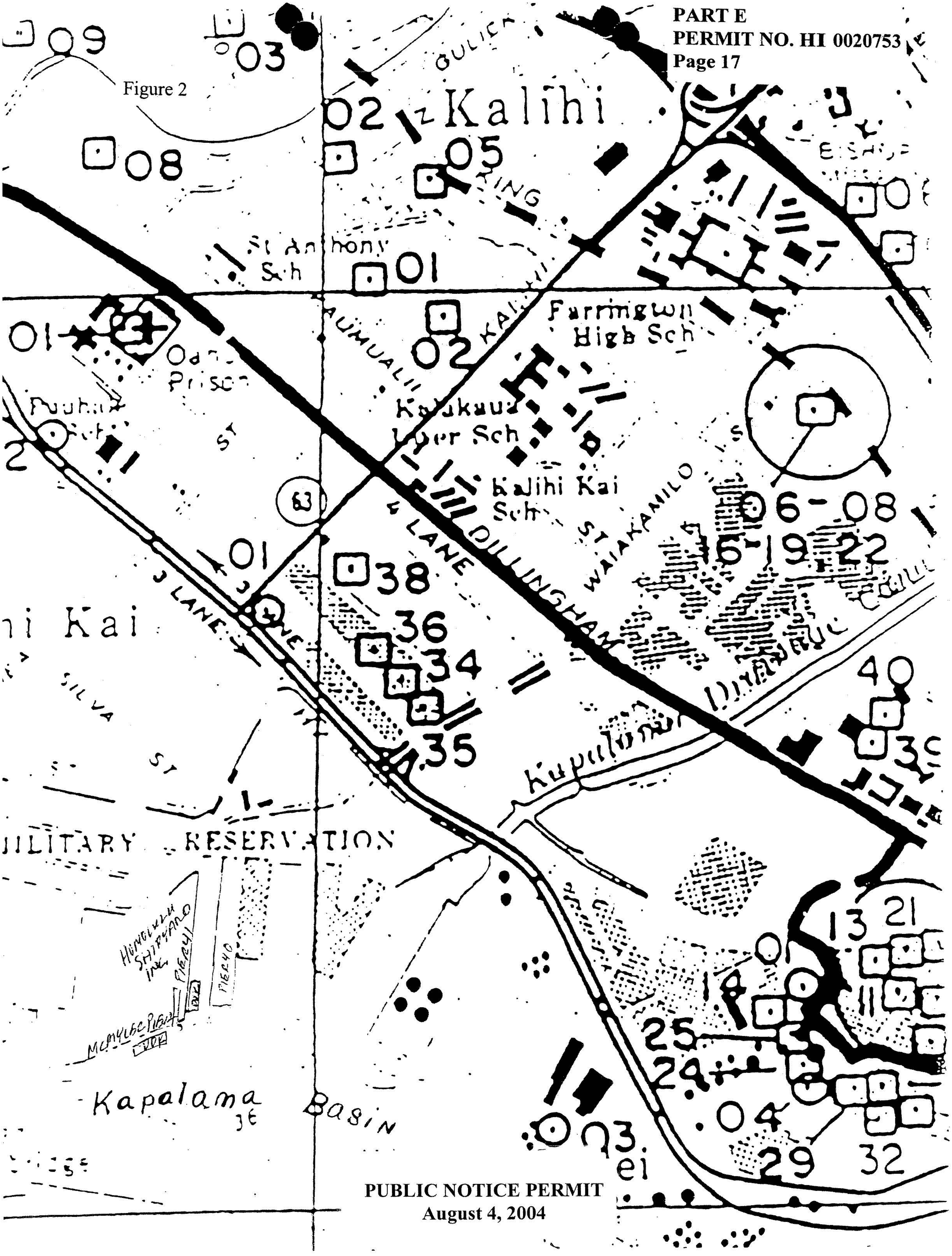


FIGURE 1 HONOLULU SHIPYARD LOCATION MAP

Figure 2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